

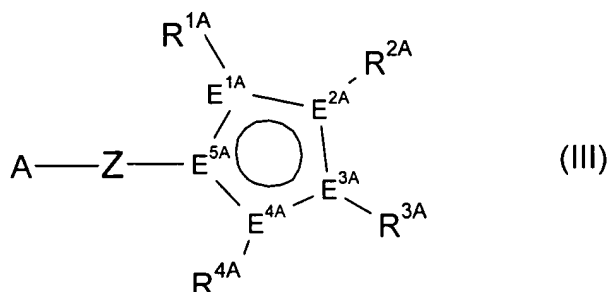


ATTACHMENT A

Claims 1 – 12: (Cancelled)

13. (Currently Amended) A monocyclopentadienyl complex comprising formula $\text{Cp-Z-A-M}^{\text{A}}$ (II),
where:

Cp-Z-A is



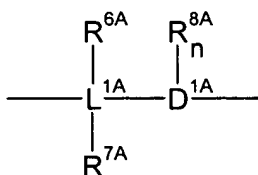
where:

$\text{E}^{1\text{A}}\text{-E}^{5\text{A}}$ are each carbon;

$\text{R}^{1\text{A}}\text{-R}^{4\text{A}}$ are each, independently of one another, hydrogen, a $\text{C}_1\text{-C}_{22}$ -alkyl, a $\text{C}_2\text{-C}_{22}$ -alkenyl, a $\text{C}_6\text{-C}_{22}$ -aryl, an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, or $\text{SiR}^{5\text{A}}_3$, where $\text{R}^{1\text{A}}\text{-R}^{4\text{A}}$ optionally can be substituted by at least one halogen and two vicinal $\text{R}^{1\text{A}}\text{-R}^{4\text{A}}$ optionally can be joined to form a five-, six- or seven-membered ring;

$\text{R}^{5\text{A}}$ are each, independently of one another, hydrogen, a $\text{C}_1\text{-C}_{20}$ -alkyl, a $\text{C}_2\text{-C}_{20}$ -alkenyl, a $\text{C}_6\text{-C}_{20}$ -aryl, an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, or two geminal $\text{R}^{5\text{A}}$ optionally can be joined to form a five- or six-membered ring;

Z is a divalent bridge between A and Cp and is



where

L^{1A} is carbon, silicon or germanium;

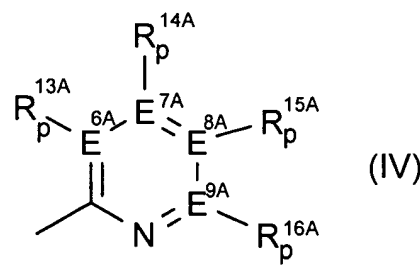
D^{1A} is an atom of group 15 or 16 of the Periodic Table of Elements;

n is 0 when D^{1A} is an atom of group 16, and is 1 when D^{1A} is an atom of group 15;

R^{6A} - R^{8A} are each, independently of one another, hydrogen, a C_1 - C_{20} -alkyl, a C_2 - C_{20} -alkenyl, a C_6 - C_{20} -aryl, an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, or SiR^{9A}_3 , where R^{6A} - R^{8A} optionally can be substituted by at least one halogen and two geminal or vicinal R^{6A} - R^{8A} optionally can be joined to form a five- or six-membered ring;

R^{9A} are each, independently of one another, hydrogen, a C_1 - C_{20} -alkyl, a C_2 - C_{20} -alkenyl, a C_6 - C_{20} -aryl or an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, a C_1 - C_{10} -alkoxy or a C_6 - C_{10} -aryloxy, or two R^{9A} optionally can be joined to form a five- or six-membered ring;

~~A is an uncharged donor group comprising at least one atom of group 15 and/or 16 of the Periodic Table of Elements and is an unsubstituted, substituted or fused, heteroaromatic ring system or a carbene; and comprises formula (IV):~~



where

E^{6A} - E^{9A} are each, independently of one another, carbon, or nitrogen;

R^{13A} - R^{16A} are each, independently of one another, hydrogen, a C_1 - C_{20} -alkyl, a C_2 - C_{20} -alkenyl, a C_6 - C_{20} -aryl, an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, or SiR^{17A}_3 , where R^{13A} - R^{16A} optionally can be substituted by at least one halogen or nitrogen, or two vicinal

R^{13A}-R^{16A} or R^{13A} and Z optionally can be joined to form a five- or six-membered ring;

R^{17A} are each, independently of one another, hydrogen, a C₁-C₂₀-alkyl, a C₂-C₂₀-alkenyl, a C₆-C₂₀-aryl or an arylalkyl comprising from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part, or two R^{17A} optionally can be joined to form a five- or six-membered ring;

p is 0 when E^{6A}-E^{9A} is nitrogen, and is 1 when E^{6A}-E^{9A} is carbon; and

M^A is chromium, molybdenum, or tungsten.

14. (Previously Presented) The monocyclopentadienyl complex as claimed in claim 13, wherein L^{1A} is silicon.

15. (Previously Presented) The monocyclopentadienyl complex as claimed in claim 13, wherein D^{1A} is oxygen, sulfur, nitrogen, or phosphorus.

Claims 16 – 18: (Cancelled)

19. (Previously Presented) The monocyclopentadienyl complex as claimed in claim 13, wherein – Z- is -SiR^{6A}R^{7A}-O-.

20. (Cancelled)

21. (Previously Presented) A catalyst system for olefin polymerization comprising:

- A) at least one monocyclopentadienyl complex as claimed in claim 13;
- B) optionally, an organic or inorganic support;
- C) optionally, one or more activating compounds;
- D) optionally, further catalysts suitable for olefin polymerization; and
- E) optionally, one or more metal compounds comprising a metal of group 1, 2 or 13 of the Periodic Table of Elements.

Claims 22 – 24: (Cancelled)

25. (Previously Presented) A process for preparing polyolefins by polymerization or copolymerization of olefins in presence of the catalyst system as claimed in claim 21.

26. (Cancelled)